

Fig. 1

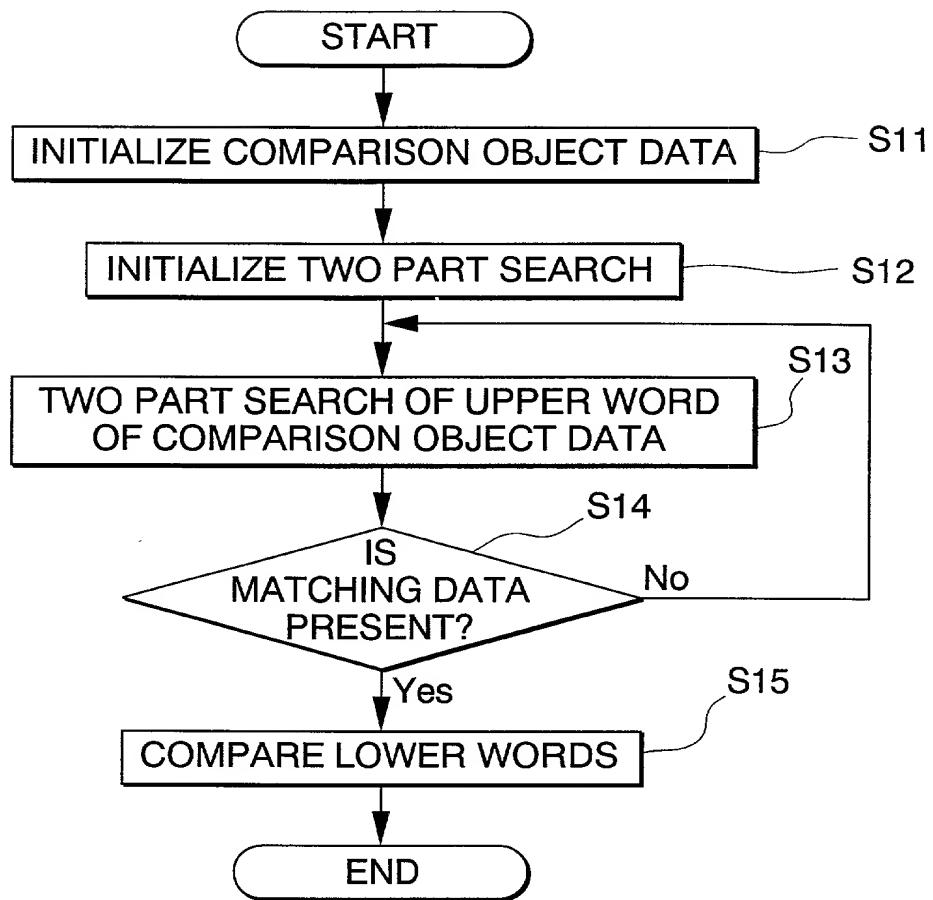


Fig. 2

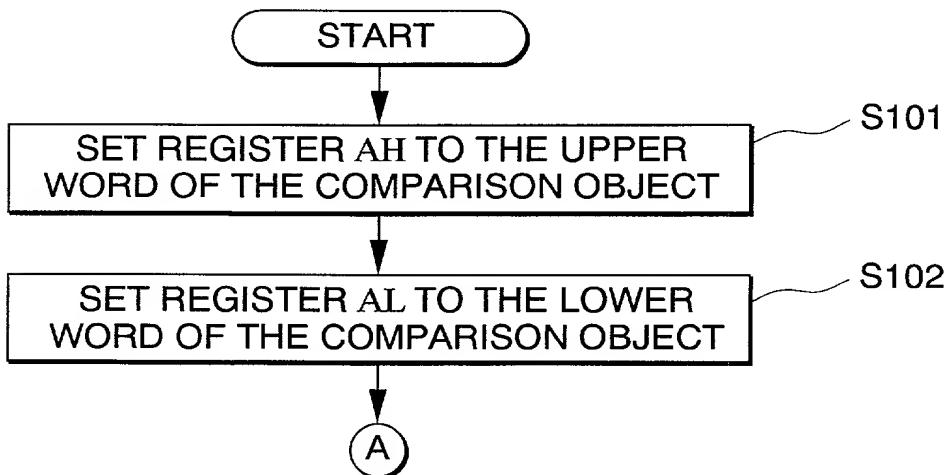


Fig. 3

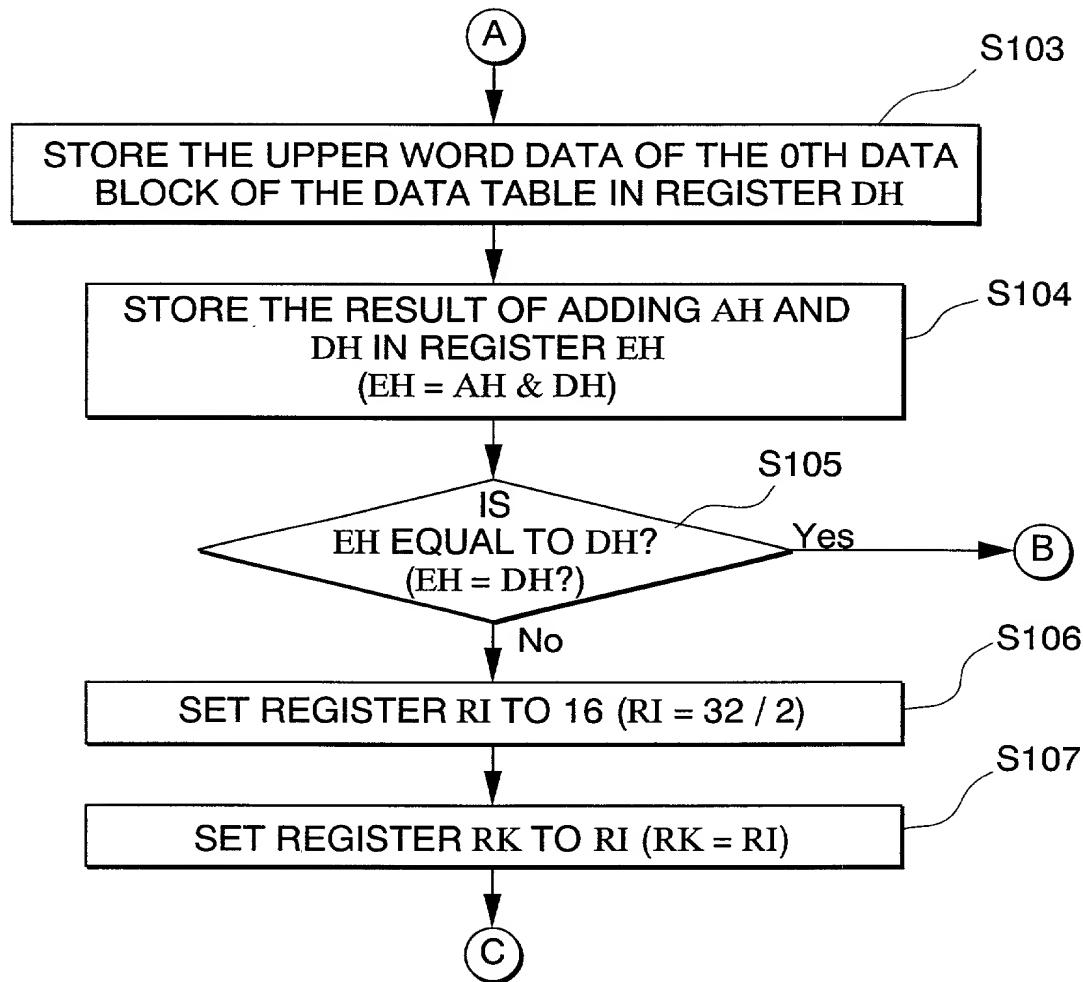


Fig. 4

COMPARISON OF UPPER WORDS (TWO PARTS SEARCH)

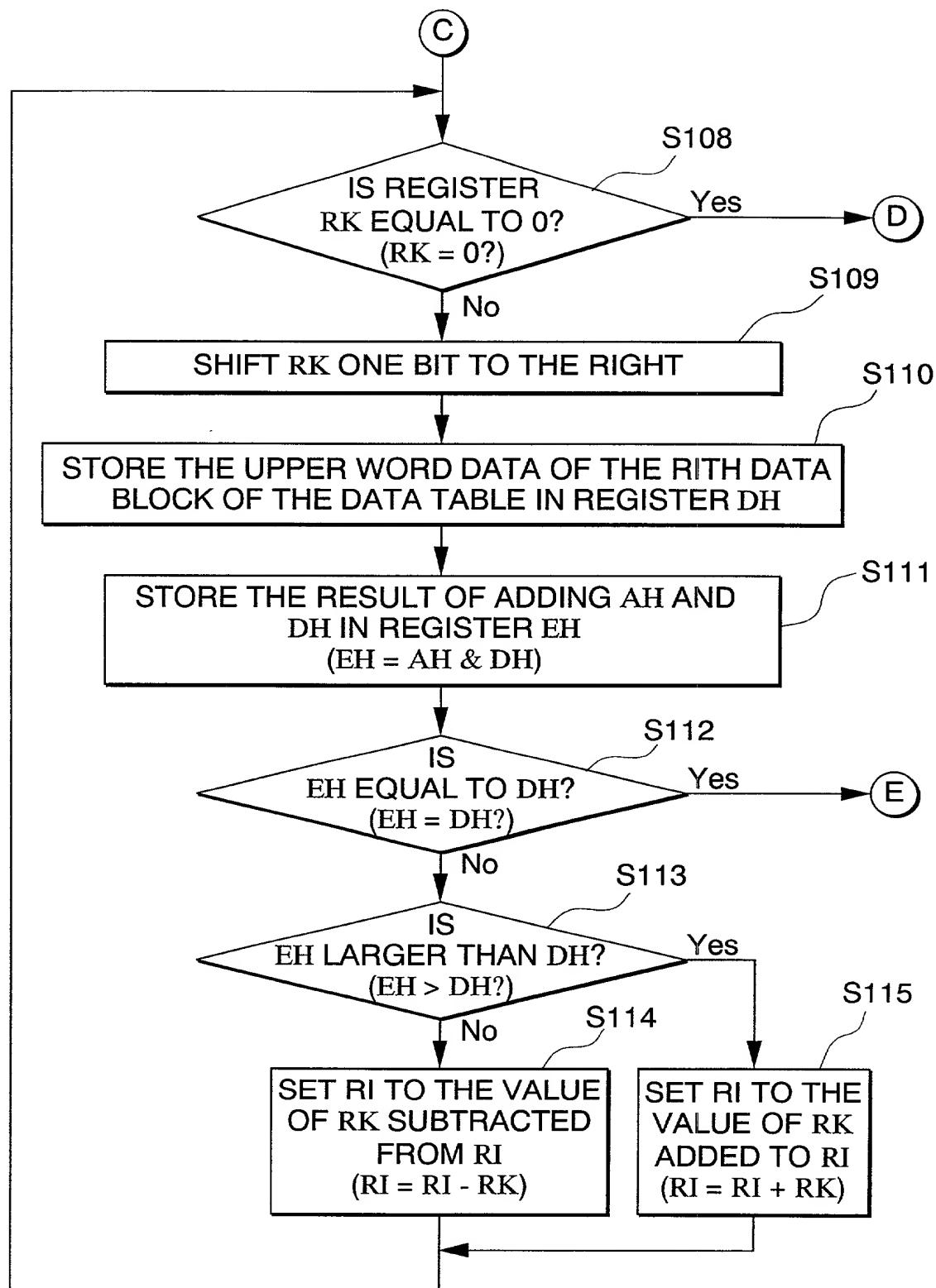


Fig. 5

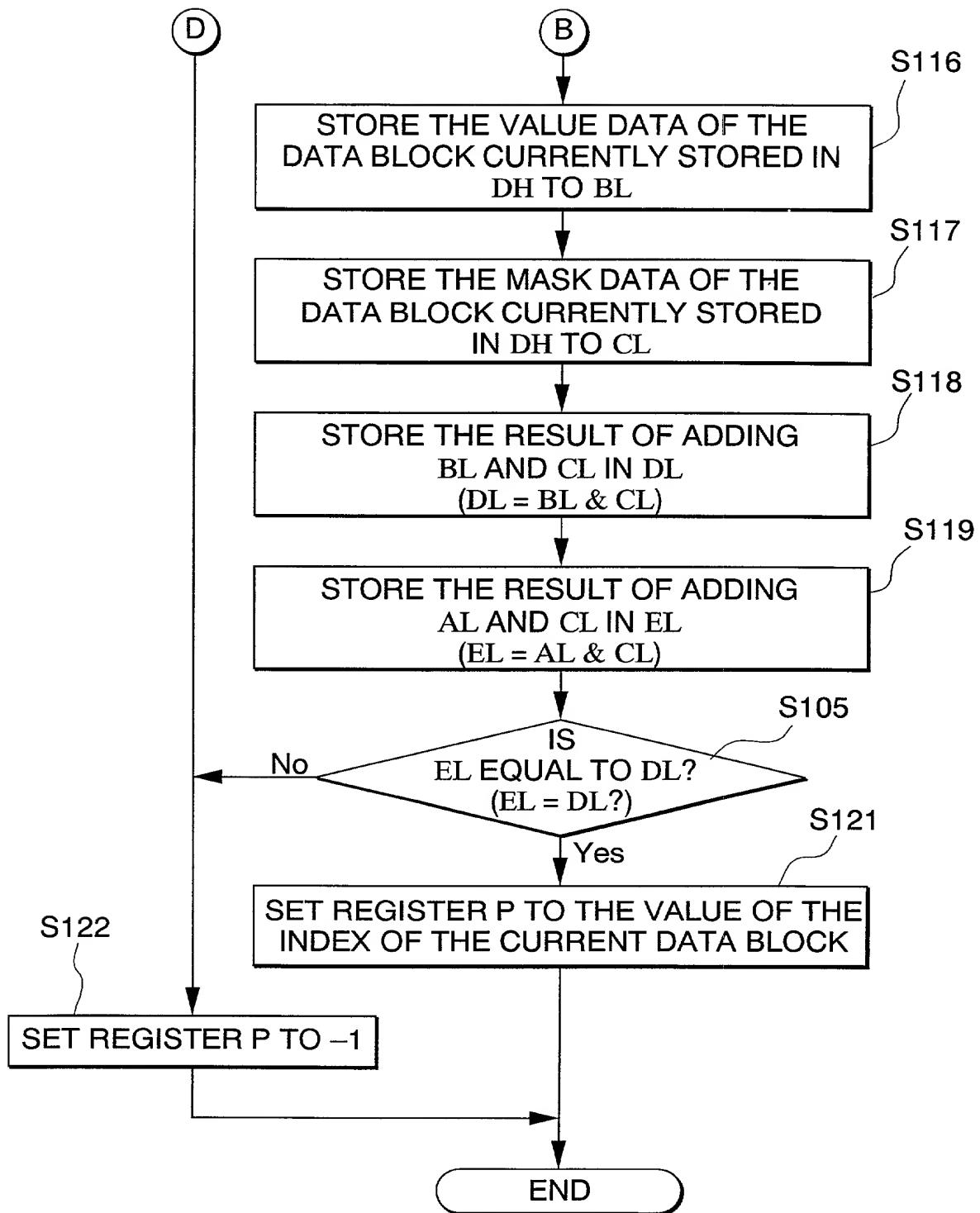


Fig. 6

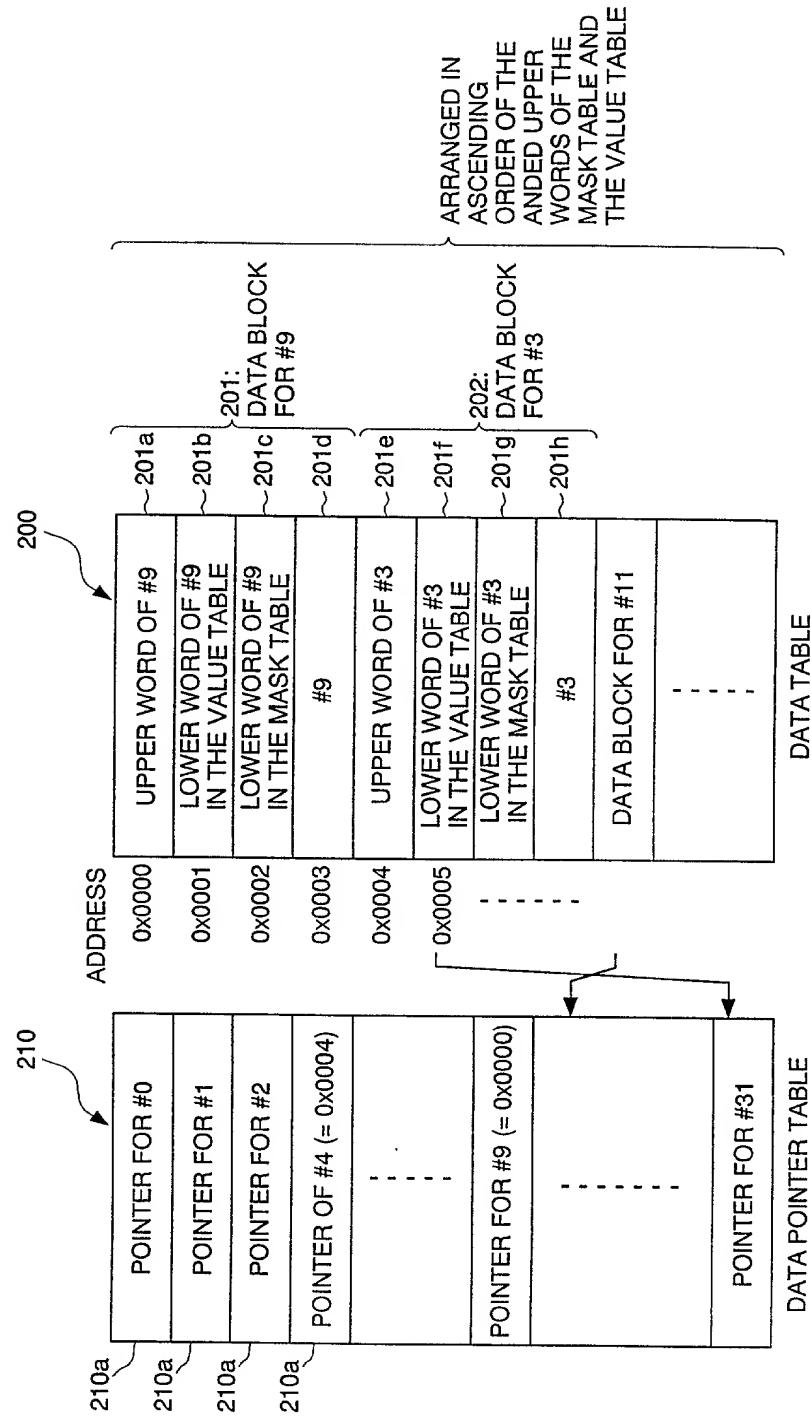


Fig. 7

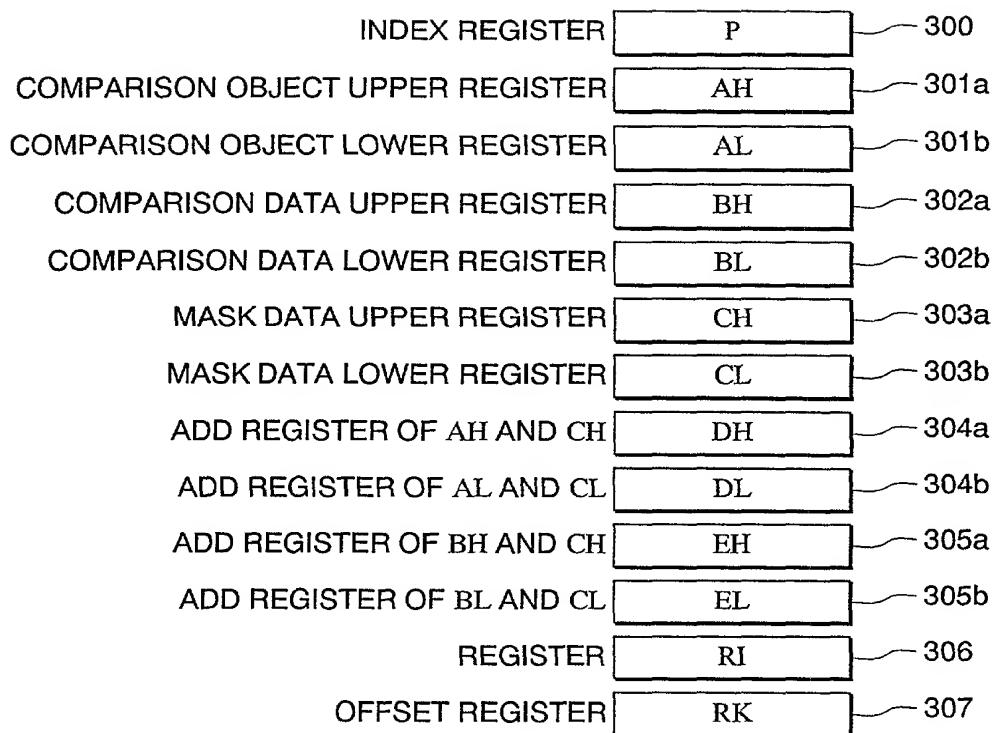
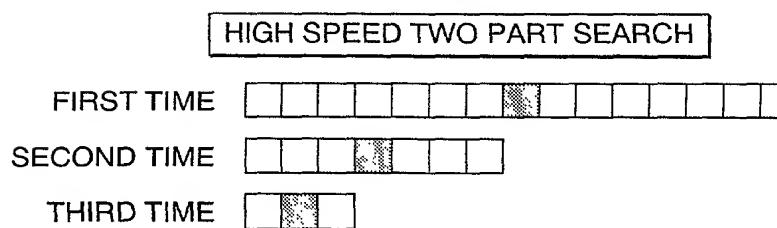


Fig. 8



BY FIXING THE DATA LENGTH SO AS ALWAYS TO BE ABLE TO BE BISECTED DURING THE SEARCH AT $2N-1$, THERE IS NO NEED TO CONTROL THE UPPER LIMIT (U) AND THE LOWER LIMIT (L).

Fig. 9A

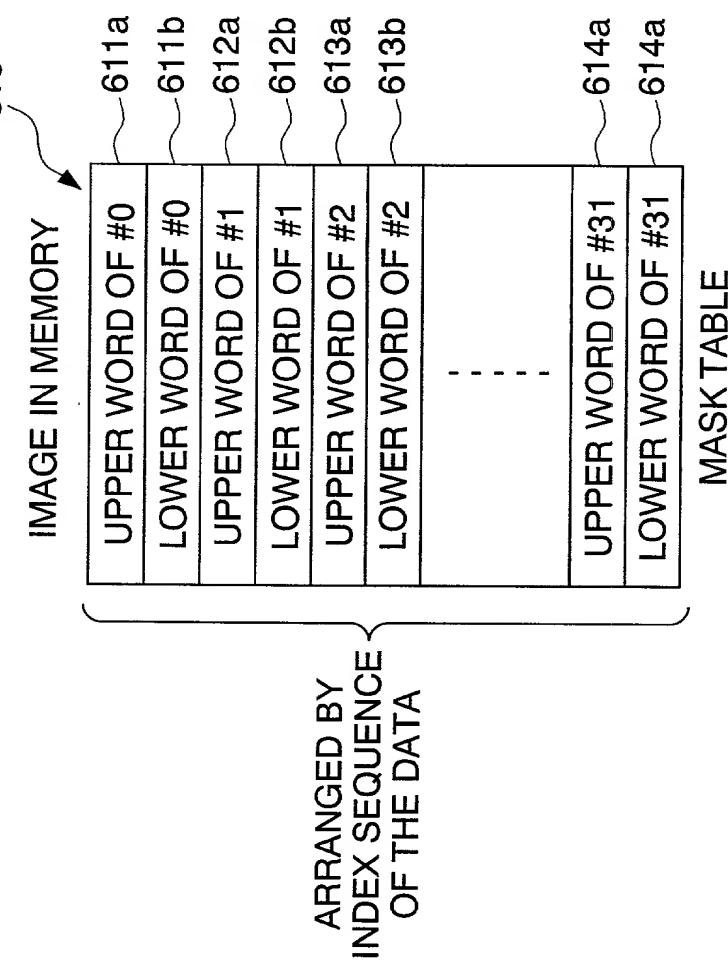


Fig. 9B

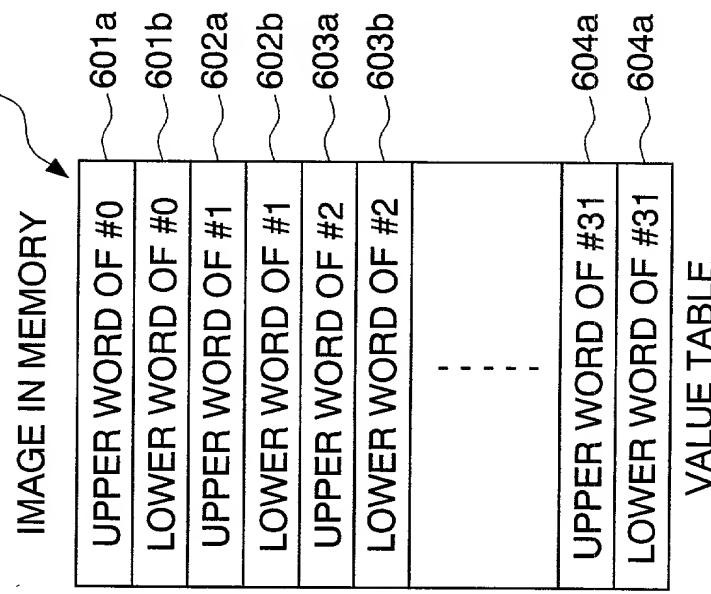


Fig. 10

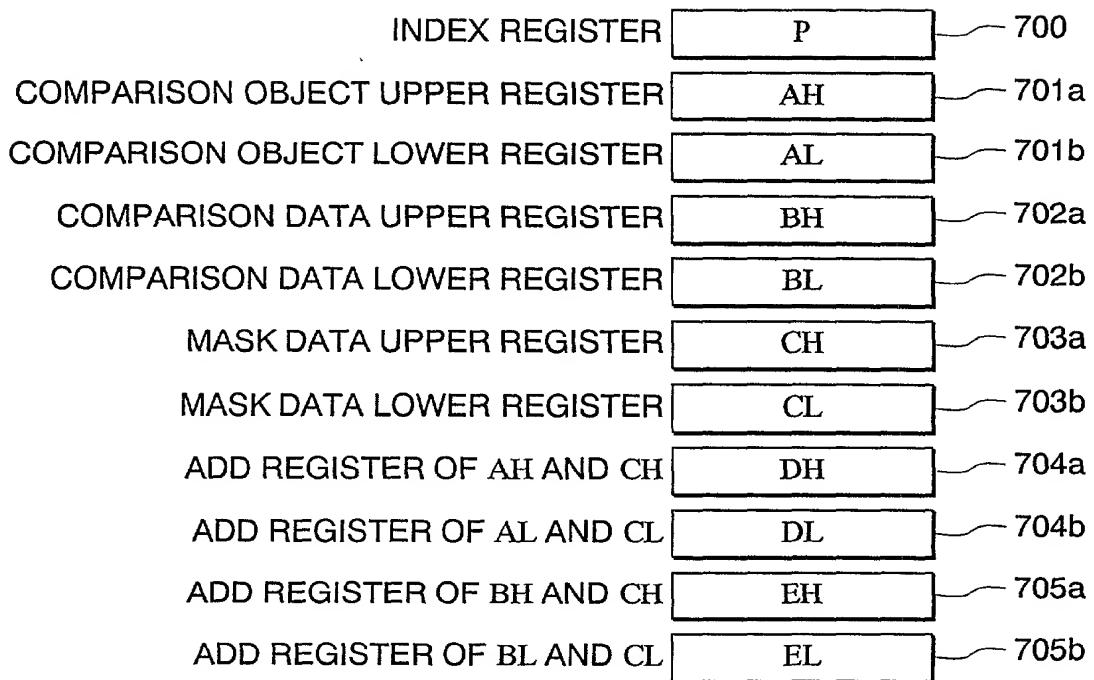


Fig. 11A

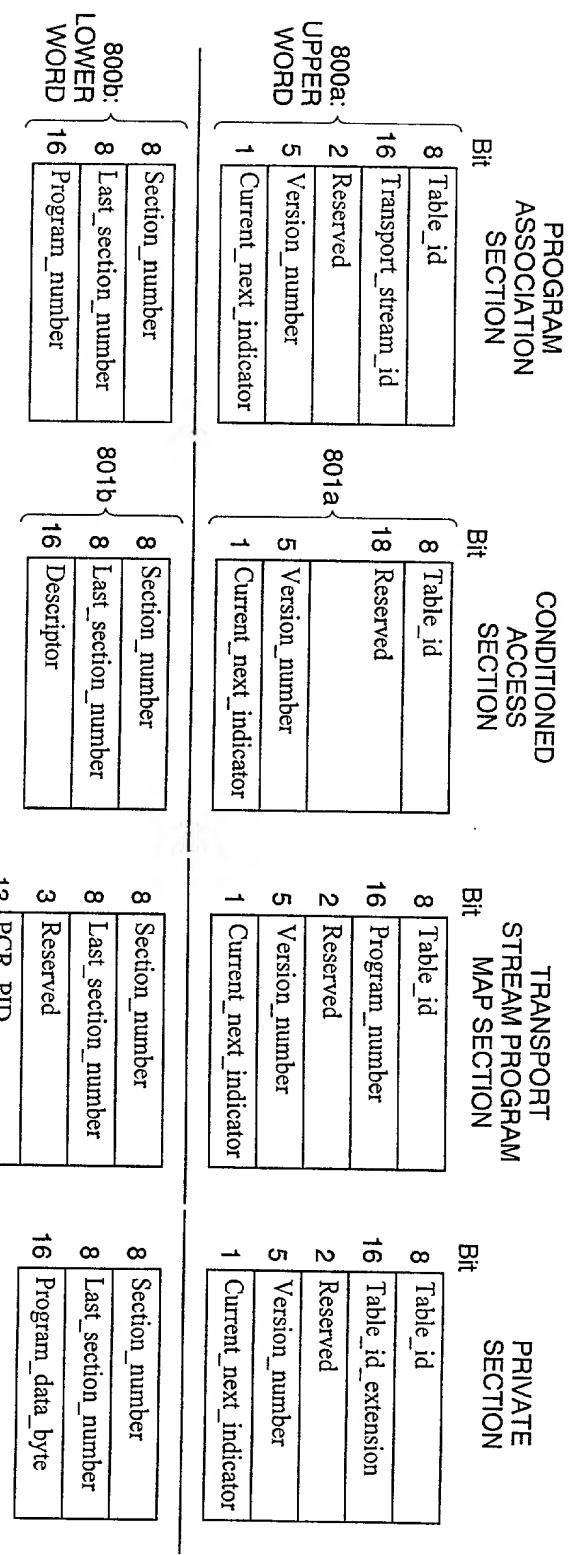


Fig. 11B

Fig. 11C

Fig. 11D

Fig. 12

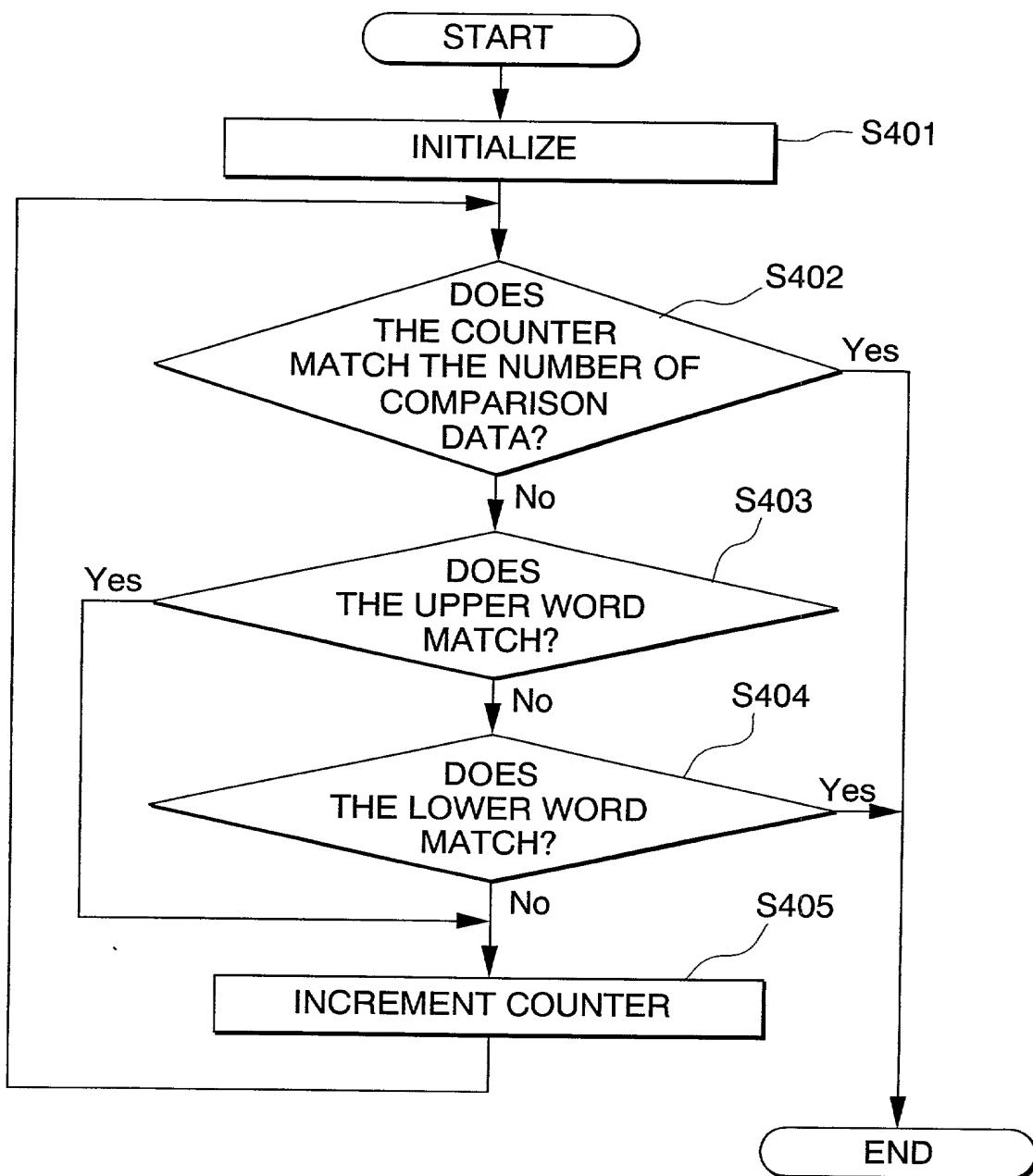


Fig. 13

